

Amateur Computer Group of New Jersey NEWS

Volume 37, Number 04

April 2012

Bill Farrell



Bill Farrell, age 80, died on March 17, 2012 at the Robert Wood Johnson University Hospital in New Brunswick, N.J. He is survived by Wilma H. Farrell, his wife of 60 years, a daughter, a son-in-law, a grand-daughter, a brother, three sisters, and many nieces and nephews.

Bill served in the Air Force during the Korean War; and he worked as an Astro Engineer for RCA Aerospace in Princeton from 1961 until his retirement in 1976. He was a member of the Mt. Zion Masonic Lodge #135 and the Order of the Eastern Star Lodge #116 in Metuchen. Bill was also a member of the Central Jersey Scottish Rite and the Crescent Shriners; and he was a proud member of the Amateur Computer Group of New Jersey. In lieu of flowers (as his family requested), ACGNJ made a contribution in Bill's memory to the Shriners Hospital for Children in Philadelphia, PA.

Bill served on the ACGNJ Board of Directors from January 1993 to December 2010. He was a Director-at-Large in 1993 and 1994, Vice-President in 1995 and 1996, President in 1997, Past President in 1998, 1999 and 2000, and a Director-at-Large from 2001 through 2010. He will no doubt be missed.



<http://www.acgnj.org>

Founded 1975

ACGNJ Meetings

For the very latest news on ACGNJ meetings, please visit the ACGNJ Website (www.acgnj.org).

Lunics (Linux/UNIX): Monday, April 2, 8:00 PM
Andreas Meyer (lunics@acgnj.org)

Board of Directors Meeting: Tues, April 3, 7 PM
Evan Williams (president@acgnj.org)

Main Meeting: Friday, April 6. **CANCELED!**
(Due to the confluence of religious holidays).

Layman's Forum: Monday, April 9, 8:00 PM
Matt Skoda (som359@aol.com)

Hardware Workshop: Monday, April 9, 8 PM
Mike Reagan (hardware@acgnj.org)

Java: Tuesday, April 10, 7:30 PM
Mike Redlich (mike@redlich.net)

Mobile Devices: Wednesday, April 11, 7:30 PM
Brenda Bell (mobdevsig@acgnj.org)

Investing: Thursday, April 12, 8:00 PM
Jim Cooper (jim@thecoopers.org).

NJ Gamers: Friday, April 13, 6:00 PM
Gregg McCarthy (greggmajestic@gmail.com)

Firefox: Monday, April 16, 7:30 PM
David McRitchie (firefox@acgnj.org)

C/C++: Tuesday, April 17, 7:30 PM
Bruce Arnold (barnold@ieee.org)

Window Pains: Friday, April 20, 8:00 PM
John Raff (john@jraff.com)

Board of Directors Meeting: Tues, May 1, 7 PM
Evan Williams (president@acgnj.org)

All meetings, unless otherwise noted, are at the Scotch Plains Rescue Squad, 1916 Bartle Ave, Scotch Plains, New Jersey. Directions and map on back cover. ☐

In This Issue

ACGNJ Announcements	3
Publish and Perish, <i>Bob Hawes</i>	3
Freebies! <i>Dave Bilcik</i>	10
Mac Tips, <i>Ernie Cox, Jr.</i>	12
Guru Corner	15
2012 Hobbyists of the Year: <i>Barbara and Walter DeGroot</i>	3
HDTV Resolutions 720p and 1080p Explained, <i>Sandy Berger</i>	9
How to Recover Data from a Dead Hard Drive, <i>Bryan Lambert</i>	11
SIG News	13

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Past President	Paul Syers		Through 2013	David McRitchie	
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ACGNJ News

Editor

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ACGNJ News is published by the Amateur Computer Group of New Jersey, Incorporated (ACGNJ), PO Box 135, Scotch Plains NJ 07076. ACGNJ, a non-profit educational corporation, is an independent computer user group. Opinions expressed herein are solely those of the individual author or editor. This publication is **Copyright © 2012 by the Amateur Computer Group of New Jersey, Inc. All rights reserved. Permission to reprint with appropriate credit is hereby given to non-profit organizations.**

Submissions: Articles, reviews, cartoons, illustrations. Most common formats are acceptable. Graphics embedded in the document must also be sent as separate files. E-mail submissions to newsletter@acgnj.org preferred. **Always confirm.** Date review and include name of word processor used, your name, address and phone and name, address and phone of manufacturer, if available.

Tips for reviewers: Why does anyone need it? Why did you like it or hate it? Ease (or difficulty) of installation, learning and use. Would you pay for it?

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Publication Exchange: Other computer user groups are invited to send a subscription to ACGNJ at the address below. We will respond in kind.

Address Changes should be e-mailed to membership@acgnj.org or sent to ACGNJ at the address below.

Membership: Regular (now includes *all* family members who reside at the same address): 1 year \$25, 2 years \$40, 3 years \$55. Student: 1 year \$20. Senior Citizen (over 65): 1 year \$20, 3 years \$45. Send name, address and payment to ACGNJ, PO Box 135, Scotch Plains NJ 07076.

Typographic Note: This ACGNJ News was produced using Scribus 1.3.3.13. Font families used are Times New Roman (TT) for body text, Arial (TT) for headlines.

E-Mail Addresses

Here are the e-mail addresses of ACGNJ Officers, Directors and SIG Leaders (and the Newsletter Editor). This list is also at (<http://www.acgnj.org/officers.html>).

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ACGNJ Announcements

Main Meeting

Our Friday, April 6 Main Meeting has been **CANCELED** due to the confluence of religious holidays.

Java Users Group Meeting

Tuesday, April 10th, 7:30PM to 9:30 PM
(Topic to be announced).

C, C++ Users Group Meeting

Tuesday, April 17th, 7:30 PM to 10:00 PM
(Topic to be announced).

Window Pains Meeting

Friday, April 20th, 8:00 PM to 10:00 PM
John Raff will discuss HTML 5. (The intended successor to HTML 4, which was standardized in 1997).

2012 Hobbyists of the Year

Barbara and Walter DeGroot



Awarded to Barbara for her **seventeen** years of service as ACGNJ Newsletter Editor, and for her continuing service as Editor Emeritus (and Emergency Backup Publisher). Awarded to Walter for his many contributions to the club over that same period, most recently helping to distribute older computers refurbished by our Hardware Workshop.

Even though the Hobbyist of the Year is an ACGNJ award, **not** a TCF award, it has traditionally been presented at the annual Trenton Computer Festival Banquet. Unfortunately, this year Barbara and Walter were unable to attend TCF, so their plaque will be delivered to them at a later date. ☐

Publish and Perish

Bob Hawes, ACGNJ

As I've said before, I like it when I can use a "twist" on a cliché as my title. Nowadays, the phrase "Publish or Perish" is thought of as belonging to academia, but it seems to have really originated as a remark made by a member of a political "think tank" in 1922. As far as its relationship to the actual contents of this article goes, I'll admit that I'm "stretching" things a bit; but then again, I do that **a lot**. In this case, the Publish part refers to my current publishing endeavors (namely, this newsletter, using Scribus, my fun, fabulous and **free** desktop publisher), and the Perish part refers to all the information I'll have to erase as I convert my Scribus work file for our February 2012 issue into a new work file for our March 2012 issue. Now, you might ask me why I'm writing about this. If you did, I'd respond by saying that I write about what I'm currently working on; and right now, most of my spare computer time has been devoted to "getting up to speed" in the production of a monthly computer club newsletter. So I don't **have** much else to write

about. (Besides, it's just barely possible that somewhere out there, somebody might exist who is truly **interested** in stuff like this). Anyway, let's get going.

In terms of "total **days** spent from start to finish on any **one** particular thing", writing my own article for each monthly newsletter wins hands down. That's because (in addition to the **amazingly** long time it can take me to write just one single paragraph), I have to e-mail my "final draft" to my brother for proof reading. He's a college educated Engineer, but he's **not** a computer geek. Therefore, I can depend on him to tell me when I haven't explained things clearly enough. He **often** gives me valuable suggestions, which I almost always use. Unfortunately, he also has a real life in the real world. So, (somewhat unreasonably, from my point of view) he has his **own** stuff to take care of before he can get around to reading my article. (This could add several days to my production time). Fortunately, while I'm waiting for his reply, there **are**

other things that I can do.

In this case (as I implied above), I started by making a copy of my previous work file (2012Feb1.sla), and then renaming it 2012Mar1.sla. Take note of that number “1”. February was only my second issue as full time Newsletter Editor (although it was the twelfth newsletter that I produced for the club since 2008); but it was, in fact, the *first* time that I ever made it through an entire issue using only *one* work file. Usually, I had two, three, four or even more. (For additional details, see *Further Adventures In Desktop Publishing* in that self same February 2012 issue). For the long term, my plan is to create a “skeleton” work file that can be quickly used as a starting point each month; but for now, converting the old file seems to be the best way to go.

Ten years ago, we stopped printing and physically mailing out our club newsletters. However, once a year, we've still printed *one* issue in real ink on real live paper, for use as a handout at the annual Trenton Computer Festival (TCF). For 2012, March would be that printed newsletter. Now, here's some “behind

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newsletters that I made with Scribus prior to this year, and in our January 2012 issue as well, I'd always used the default margins. Now, I had no idea *why* the Scribus authors had chosen to use 0.56 inches for all four sides (rather than, say, 0.50 inches), but I figured maybe they knew something that I didn't. So I accepted their defaults. However, in that January issue, I wasn't happy with the size of the blank space between the two text columns on most of our pages. It was just *too* narrow. I decided to make it wider; but at the same time, I *didn't* want to make those columns any narrower, either. That just left making the margins thinner. So in our February issue, I “split the difference”; and changed them from 0.56 inches to 0.53 inches. Luckily, I was pleased with the results. So I *didn't* have to *unchange* the margins as I converted the February issue into the March issue.

The next thing I did was to *delete* pages 3 through 12 (the article pages). That left me with our five “boilerplate” pages (which I hadn't planned to touch for March), and page 1 (which would still have to be

the scenes” drama: On or about February 8th, 2012, I began work on an article intended for inclusion in our March issue. By February 17th, it was finished and proof read. To my chagrin, though, when I fed it into my special size measuring work file (which can closely estimate the number of pages that any single article will consume), I got a total of four and a half pages. That was *too many* pages to give to just one article in a TCF issue. Such a printed newsletter *must* have only sixteen pages. Page 1 is reserved for “news”, and pages 2, 13, 14, 15 and 16 are “boilerplate” (pages that are repeated in every issue, and hardly ever change). That left *only* ten total pages available for articles. I just *couldn't* hog almost half of them for myself. So, reluctantly, I put that particular article aside for use at a later date (probably May); and on or about February 18th (*very* late), I began work on a newer and hopefully shorter article. When finished, it measured two and a half pages. Still a bit long, but acceptable.

Anyway, let's get back to our newly renamed 2012Mar1.sla work file, and let's talk margins. In the

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re-edited). After that, I created a new, empty page 3, and proceeded to “flesh it out” by creating its ten “default elements”. First was the 7.44 inch wide by 0.22 inch high “black bar” across the top of the page. (It's simply a text frame with its background color set to black rather than transparent). Second was the 5.0 inch wide by 0.3 inch high “white text box” that sits right on top of the black bar. (That's a text frame with its foreground (text) color set to *white* rather than black, to make it readable against the black bar). Third was a 3.6 inch wide by 4.6 inch high text frame on the top left side of the page. Fourth was a matching 3.6 inch wide by 4.6 inch high text frame on the top *right* side of the page.

Now we come to a less successful experiment that I also tried in February. In that issue, I'd used a single “center bar”, creating a 7.44 inch wide by 0.2 inch high text frame, with its four sides set to display dotted lines; but all in all, I just *didn't* like how it looked. So for March, I went back to the old way (using *two* separate horizontal lines). Thus, for fifth, I put a 7.44 inch long dotted line across the page

(located 5.4 inches below the top edge); and for sixth, at 5.6 inches below the page's top edge, I put another. Then, I created two more elements *between* those two lines: Seventh was a "Continued Above Right" text frame on the left side; and eighth was a "Continued Below Left" text frame on the right side. Following that, for ninth and tenth, I created two more side-by-side 3.6 inch wide by 4.6 inch high text frames to fill out the bottom half of the page. Finally, I replaced pages 4 through 12 by making nine additional copies of my new page 3.

To display common elements on multiple pages, Scribus features "master pages". I only use them to set up our footers, and I've got *five* of them. The first is the completely empty default supplied by Scribus, named Normal. I've kept it empty, and I apply it only to page 1, where I *don't* want footers. The second is named Even, and I apply it to all of our even numbered pages. Unfortunately, because of the way our footers are laid out, I need more than one master page for odd numbered pages. Odd-3to9 covers single digit numbers, Odd-11to99 covers double

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and exited. If the contents of another frame had shown up instead, I would have closed Story Editor, and changed the "stack order" by lowering the top frame to the bottom. Then, I'd have tried again until I got the "date" frame. With only three possible choices, it wouldn't have taken that long to get it right.

After I'd finished with Even, I repeated the process for the three Odd master pages. (Technically, I didn't need to update Odd-101up, since I can guarantee with *absolute* certainty that our March 2012 issue will *not* be over 100 pages long; but I decided to keep everything as up to date as possible). When I was done, I closed the Edit window. Then, from the menu bar, I selected Page > Apply Master Page, and the Apply Master Page window popped up, with Even already selected; but under "Apply To", it was set to "Current page". I changed it to "Even Pages". Next I selected Normal, and set it to "All pages" and "Within range 1 to 1". After that, I selected Odd-3to9, and set it to "Odd pages" and "Within range 3 to 9". Finally, I selected Odd-11to99, and set it to

digit numbers, and Odd-101up covers triple digit numbers. (I'll probably never actually need to use Odd-101up, but it's available if I do; and in fact, Even is *already* configured to accurately display page numbers up to *four* digits long if necessary).

From the Scribus menu bar, I selected Edit > Master Pages. Then, in the little Edit window that popped up, I highlighted Even. **Nothing** seemed to happen; but that's because only the top seven inches of the Even master page were visible on screen. When I scrolled down to the bottom of the page, I saw my footer. Just looking at it, you can't tell that it's actually made up of *three* identically sized text frames. On our even numbered pages, the "date" frame is right justified, the "ACGNJ" frame is centered, and the "page" frame is left justified; and because they're stacked one on top of the other, you can *only* access the top frame. I right-clicked on the footer, and then selected Edit Text from the menu that popped up. That brought up the Story Editor window, showing the contents of the "date" frame. So I just changed February into March, then saved

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"Odd pages" and "Within range 10 to 16". With that, my footers were all set. (As long as I *don't* copy, add or delete any pages, that is. If I do, incorrect or even downright wacky footers could result if I forget to *re*-apply the master pages, too).

Moving on to page 1, I deleted the February information from the "ACGNJ Announcements", "ACGNJ Meetings" and "In This Issue" sections; but before I could add the new March information, it belatedly occurred to me that this work file, in its current "stripped down" condition, might be the closest that I'll ever get to the "skeleton" work file I mentioned earlier. So I immediately saved a copy of it under the name Skeleton.sla. This "stroke of insight" had an unforeseen consequence as well. Previously, I'd planned to give details about the various source files for pages 1, 2, 13, 14, 15 and 16; but now, since I *don't* plan to make any changes to pages 2 or 13 through 16 this month, I can put off those details until another day, when I'll write a follow-up article describing what I actually *did* with Skeleton.sla. That means this article now only has to

cover pages 1 and 3 through 12. Cheer up. The end is in sight.

So, let's get back to page 1. In the masthead, I changed "Volume 37, Number 02" into "Volume 37, Number 03", and "February 2012" into "March 2012". Then, I opened the source file for the "ACGNJ Meetings" list (1202Sch2.odt). Consulting the calendar on our website, I edited that schedule into a new file (1203Sch1.odt). While I was doing that, I cut out as much extraneous space as I could, and I **didn't** include two of our Board Meetings. (On a technicality: Since they were dated February 28th and April 3rd, respectively, **neither** would actually be held in March). Then, I imported my new file back into page 1. As I'd hoped, my "space eliminated" schedule took up a **lot** less room on the page. After I'd shifted everything in the right hand column upwards as much as possible, I just barely had enough room to take the club logo, the club URL, and our "Founded 1975" slogan from the left hand column, and squeeze them in on the bottom on the right. That made the entire left side free for TCF.

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and our articles (the "meat" of the newsletter). My "page measurer" had given me estimated page counts of 2 ½ pages for my article, and 2 ½, 2, 1 ½ and 1 ¼ for the four "outside" articles that I'd picked for this issue.. That added up to 9 ¾ pages, which should have been **just right**, since I needed about a quarter page at the top of page 3 for the "ACGNJ Announcements" that had been pushed off the front page by TCF. However, following a suggestion from my brother, I'd added about 100 more words to my own article. That's roughly one eighth of a page, so things could be getting tight. Taking the easy way out, I decided to bypass pages 3, 4 and 5 for the moment, and see if I could fit those estimated 7 ¼ pages of "outside" articles into pages 6 through 12. (Ignore any "quick mental math". That **does** equal 7 pages, **not** 6).

The 2 pager fit nicely into pages 6 and 7. So far, so good. I decided to try the 1 ½ pager next, and I used the number one tool in my "bag of tricks" on it. By shrinking the spaces between the paragraphs, I managed to get it to fit into page 8 and only the top

Just below the masthead, I changed the left-over "ACGNJ Announcements" header into a "Trenton Computer Festival" header. Under that, I inserted two side by side image frames, and filled them with photos of the Keynote Speaker and Featured Speaker. Beneath those pictures, I stuck two small text frames containing their names. Following that, I squeezed in a small image frame containing the TCF "computer keys" logo. Then I filled the rest of the available space with a single text frame. Unfortunately, that frame wasn't quite big enough to hold all of the TCF text. Fortunately, the sentences that I had to "trim" to make it fit were sentences that I hadn't particularly liked, anyway. That just left "In This Issue" (our table of contents); and that couldn't be filled in until later, when I actually **knew** what articles I'd included, and on which pages I'd wound up putting them. (In fact, I also made one more last-minute change to page one; but I'll wait until later to tell you about that, too).

Since we're skipping our "boilerplate" pages (2 and 13 through 16), that leaves us with pages 3 to 12,

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quarter of page 9. Success! I'd accounted for **all** of my excess baggage in just one swell foop. (Oops! I mean fell swoop). The 2 ½ pager fit nicely into the rest of page 9, page 10, and the top three quarters of page 11. That **should** have left just the right amount of room for the 1 ¼ pager; but instead, I ran into an "embarrassment of riches". There was some extra white space at the end of that article. In response, I employed my favorite trick in reverse, **expanding** the spaces between the paragraphs until all of that offending whiteness was gone. Hooray!

So much for the easy part. Now we go back to page 3, and **my** article. (What's more, we'll be going into a lot more detail here, too). Ignoring the "black bar" at the top for the moment, I right-clicked on the 3.6 by 4.6 inch text frame on the upper left side of the page, and chose "Get Text..." from the menu that popped up. In the "Open" window that popped up after that, I clicked on my article's source file (BakTux6.odt) to select it, and then I clicked on the "Open" button to import it into Scribus. My text frame immediately filled up with text. And at its bottom right corner, a

Publish and Perish, *continued*

little square symbol appeared, signifying a “text overflow”.

Actually, I *could* have linked all of my empty text frames together *before* I imported my article; but the Scribus “Link” function is *very* finicky. I’ve found that I have a lot less trouble if I load the article first. So I clicked once on my first text frame (just to be sure it was selected), then I clicked once on the “Link Text Frames” icon, and then I clicked once, in order, on each of the other text frames that I wanted to link to my first text frame. After I’d clicked on the last frame on page 5, I immediately clicked on the “Select Item” icon, to make *absolutely* sure that I’d turned the “Link” function off. (I’ve forgotten to do this a few times, with unfortunate results).

Looking at the lower right frame on page 5, I saw that it was empty; and so was a good portion of the lower left frame, as well. Good. That’s what I was expecting. So I went back to page 3, and I *shortened* the two top text frames by two inches each. Going back to page 5, I saw that the lower left frame was full, but the lower right frame was still half empty.

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accompanying “white text box” from the top of page 3. That gave me 3.3 inches of clear space, which I promptly filled up with new stuff (mostly text frames). First, a 7.44 inch wide by 0.3 high “header”. Under that, two side by side 3.6 by 1.0 inch “message” frames. Below them, two *more* side by side 3.6 by 1.32 inch “message” frames. Beneath them, a 7.44 inch wide black “separator” line, with 0.09 inches of clear space above it, and another 0.09 inches of clear space below it. Finally, underneath all that, another “header”, this time measuring 7.44 by 0.5 inches. Taking the top “header” first: Using the Scribus “Edit Text...” function, I typed in “ACGNJ Announcements”. Then, in the bottom one (for *my* article), I used that same method to type in “Back Us Up, Mister Tux” and “Bob Hawes, ACGNJ”.

The four “message” frames were for ACGNJ meetings. The top left was for our Main Meeting. I used the Scribus “Get Text...” function to import it’s source file (1203Main.odt). The top right was for our Window Pains Meeting. I used “Get Text...” to import it’s source (1203WP.odt). The bottom left was

So I went back to page 3, and I shortened each top frame by another inch. Closer, but still some whiteness. Setting those two frames to 1.4 inches each, I got it as close as I could get; but the lower frames on page 5 *still* weren’t even. There was a single blank line under my usual closing remark. (“See you next month”).

Now sometimes, somewhere in the middle of an article, one of the frames will wind up having one more line than its partner. If that had happened, I could have shortened that frame a little bit, causing that extra line to “wrap” into the top of the following frame. Where it, in turn, would cause the bottom line in that frame to wrap into the next frame; and so on, all the way down the chain. That would have evened up the last two frames on page 5; but not this time. I tried my paragraph spacing trick, but that resulted in some *really ugly* alignment on page 4. So I was stuck. I just put a bunch of white space *above* “See you next month” to even things up, and then I moved on.

Next, I removed the “black bar” and its

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for our Java Users Group Meeting. Again, I used “Get Text...” to get 1203Java.odt; and for the bottom right (our C, C++ Users Group Meeting) I got 1203CSIG2.odt. As for our table of contents (“In This Issue” on page 1), I used “Edit Text...” to update it. Usually, the article titles are in 11 point type, with each author’s name in 10 point type; but this time, three of our titles were *SO* long that they got 9 point type instead (and their authors only got 8 point type).

Now we come to the last-minute change to page 1 that I mentioned earlier. (Or at least we *will*, eventually). It involves the ACGNJ logos that we put on page one; and therein lies a tale: Back in 2008, at our December 5th Main Meeting, we decided to present “Decade Plus” service awards to seven of our members. When I designed those awards (using Scribus), I put little “ACGNJ computers” in their bottom right hand corners. For the screen displays on those computers, I tried to use copies of the logo that we show on most of our club web pages. (Its file name is acgnj2.png). However, when shrunk to fit in

that tiny monitor, the letters bled together and became unreadable. So using GIMP (the GNU Image Manipulation Program), I cut that logo into five pieces, and moved those pieces further apart. For reasons I can't remember anymore, I named the new file that I'd created acgnj4.GIF; and I've used it on our award certificates ever since.

I've used acgnj4.GIF on *some* of my newsletter front pages, too. Specifically: End-of-Year 2008 Supplement, July 2009, July 2010, and July 2011. Then, on January 20th, 2012, I converted it into the PNG image file format (and I gave it a good old DOS 8.3 file name by capitalizing all of its letters, too). Thus, for February 2012, I used ACGNJ4.PNG on my front page. Going back a bit: For my August 2009 issue, I wanted a logo like the one used in our then current *non*-summer newsletters. I found a similar file on our club website, stored in the same directory as the image files being displayed by our web pages (but apparently *not* in use itself). Its name was acgnj-1.gif, and I used it on page one of that issue, as well as August 2010, August 2011, and

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the aforementioned last minute change, I used ACGNJ3BW.PNG as the logo on our March 2012 newsletter, instead of my new ACGNJ-1.PNG as I'd originally intended.

Looking to the future, I decided to "regularize" my logos and their names. From January (when I'd converted ACGNJ-1.PNG) through early March, I'd also created a whole series of near duplicates (ACGNJ1C0.PNG through ACGNJ1C7.PNG). I was trying to stick Copyright symbols from various sources in front of the "A" inside ACGNJ-1.PNG; but none of them looked good enough. Now, I've taken the symbol used in ACGNJ3BW.PNG and pasted it into ACGNJ-1.PNG, thus producing a new file named ACGNJ3R.PNG. (R for its red background, of course; and 3 because a 1 would look too much like an upper case I here, too). Again, it's *not* perfect, but it provides a common element between my two versions; and quality-wise, it *is* acceptable.

I followed the same pattern with ACGNJ4.PNG. First, I renamed it ACGNJ4R.PNG (for red, obviously). Then, I loaded a copy of it into the GIMP, changed

January 2012. Anyway, for many years now, our April newsletter has been our "TCF edition"; but this year, the Trenton Computer Festival was held on March 10th. (*Very* early). So our March issue became the one to be printed; and this time, I decided to do something "completely different".

I've always been annoyed by how dark our logos look on a printed page. Therefore, I went back to our December 1996 issue, to find the *very first* logo that we ever put on a front page. Employing the tools in Okular (a Linux PDF file viewer), I made a copy of that black and white logo, and then I tweaked and otherwise cleaned it up using the GIMP. I named the resultant file ACGNJ3BW.PNG. Following the form of acgnj-1.gif, but eliminating the dash, and adding BW for Black and White. (I was going to use the number 1 as well, but sitting between the J and the B, it looked *too* much like a capital letter I. So I went with 3 instead). Meanwhile, on January 19th, 2012, I'd converted acgnj-1.gif into the PNG image file format (and capitalized all of its letters at the same time, just like I'd done for ACGNJ4.PNG). Then, as

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its background color to white, and renamed it ACGNJ4BW.PNG. So that gives me black and white and color versions of my "3" series logos, and the same for my "4" series. I'll be taking those four files with me as I move forward. I *won't* be deleting any of my other "1", "3" or "4" images (or any earlier "2" logos that may exist), but I don't have any plans to use them again, either. For now, I intend to use ACGNJ4BW.PNG once, just to "get it out there" (probably in this very issue); but after that, I'll put it "on the shelf" until it's actually needed for a printed newsletter someday.

There *were* other things that I had to take care of: "Continued On Next Page" messages, captions for the "black bars", the little computer pictures at the end of each article, the "wacky kludge" that I have to use to make my links work correctly, and so on; but this article has gone on long enough. (I've started planning a possible follow-up article, tentatively titled *A Skeleton In My Closet*. I'll probably cover those topics there).

So: See you next month. ☺

HDTV Resolutions 720p and 1080p Explained

Sandy Berger

CompuKISS (www.comukiss.com) sandy@comupkiss.com

If you go into the store to purchase a new television these resolutions will be prominently displayed. However they might not be as important as you think. This is especially true if you are moving into the world of HDTV for the first time. Compared to an old standard TV, just about any HDTV will look spectacular, no matter what the resolution. Many experts in the field will tell you that they consider things like contrast ratio, color saturation, and color accuracy to be more important than resolution.

That said, when you choose a HDTV, the resolution will be the first thing you see when you start shopping. The resolution is the number of pixels on the screen. All other things being equal, more pixels will produce a better, sharper image. A 720p television has 1280 horizontal pixels and 720 vertical pixels. A 1080p television has the same number of horizontal pixels (1280) but has 1080 vertical pixels, essentially giving you more detail in the picture. The "p" stands for progressive scanning

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Blu-ray DVD player. Blu-ray disks are formatted in the full 1080p resolution and will show off the full potential of a 1080p TV.

Whether you purchase a 720p or 1080p television, standard-definition content won't necessarily look any better. Although, depending on the television, the signal may be upconverted to make it look better. In some geographic areas, you can get hi-def signals over the air. You can also get hi-def stations through cable and satellite providers.

If you don't want to purchase a Blu-ray player, you can still use your old DVD player and your old movies will look better than ever. Standard DVDs, which are 480p in resolution, will be upconverted by a HDTV and will look noticeably better on a HDTV, whether it is 720p or 1080p.

One other thing needs to be taken into consideration when talking about resolutions. In order to see the extra detail that a 1080p TV provides, the screen size must be quite large. That is why HDTVs are generally quite a bit larger than the old standard definition televisions. Also, you need to sit close enough to the TV for your eyes to actually be able to

which is superior to another scanning technique called interlaced scanning, which is represented by an "I". You don't have to worry about the 'I" or the "p" because most televisions sold in the US today use progressive scanning.

1080p is the best resolution available today and you will pay a premium to get it. Having a 1080p TV, however, is only good if you have 1080p content to show on the TV. Unfortunately, currently there are no over-the-air television broadcasts in the United States that are transmitted in 1080p. Although television stations and cable and satellite providers have the ability to transmit in that resolution, few are willing to take that step because 1080p transmissions take up a lot of bandwidth. At this time there are only a few satellite provider that utilize the 1080p format and these are strictly limited to their pay-per-view movies.

So most people will find that the only way to enjoy the full details of a 1080p television is to purchase a

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see the extra details.

This is where it gets a little confusing. Basically, unless you have a very short distance between you and the TV, you will need a larger screen with 1080p than with 720p. That's one reason why most televisions in smaller screen sizes will be 720p rather than 1080p. Even with 1080p Blu-ray disks, the 1080p quality only begins to become noticeably better as the screen size increases. You can see from these details that although 1080p is the premium resolution, 720p is a lower-cost option, and may be perfectly fine depending on your needs.

Besides the options like plasma, LCD, LED, 720p and 1080p, there are plenty of other specifications that you can look at when purchasing an HDTV. Higher end televisions will also have things like better contrast ratios, extra HDMI ports for attaching additional equipment, and Internet connectivity. Higher end LCD and LED TVs will also have higher refresh rates and better backlighting.

If you want the best hardware, look at the 3-D TVs. You may not want 3-D in a television. If you are like me, you may not even like it, but 3-D TVs have

higher hardware requirements and will, in effect, be the best televisions, even without the 3-D.

Not everyone will want or need the best or costliest HDTV. Fortunately there are sizes and models

available to suit the needs of almost everyone.

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Freebies!

**Dave Bilcik, Program Committee, Southern Tier Personal Computing Club, NY
Newsletter: Rare Bits (www.stpcc.org) *Dlbilcik (at) yahoo.com***

In a previous Freebie article I told you of DVD Flick and DVD Styler. Two free pieces of software that will allow you to take your finished movie clips and embed them into a DVD that is playable for everyone. What if your clips aren't finished? We have some help for you here as well... think free video editors. This software will allow you to tweak, edit and clip your digital movies so that even Spielberg might get a twinge of jealousy. If not high art, at least edit out the part where you caught Uncle Bob scratching his behind at the family reunion (no one needs to see that). A good Samaritan (Yogesh Mankani) posted, as part of his blog ([at](http://bit.ly/cjHfMR) <http://bit.ly/cjHfMR>), a list of 18 different free

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software on your PC. All you need is a browser and a broadband connection to the net and you are ready.

Speaking of YouTube (subtle transition here), by starting your account today you might avoid the DVD building entirely. Last month I suggested YouTube as a possible source of stock movie clips. If you post your immaculately edited movie to YouTube, just send your friends the web address of your video and let them watch it in their browser. Go to <http://www.youtube.com/> to get things started. Even radio shows are posting to YouTube. Check out <http://www.youtube.com/user/JRense?blend=6&ob=5> to hear (see?) some alternative radio. You may not agree with it but what a range of topics. YouTube content goes from stupid to sublime so be aware of your filtering options. YouTube is Google owned and operated.

Non-free warning! Do you want your YouTube posted podcast/rants sounding crisp and clear? Invest in a good microphone for your system. Don't depend on small built-in mics in your laptop or cheap gaming headphones. Blue Microphones has some

software packages that you can experiment with. I will only deal with #1 on the list, MS Windows Movie Maker.

If you have XP as your operating system, you received Windows Movie Maker with your Service Pack 2 (SP2) updates. If you are using Vista (may the Lord have mercy on your soul), download it from <http://bit.ly/kXpG92> or go to <http://bit.ly/gT4F8Z> if you're running Windows 7. The location gives you a download link and tells you how to find out if Windows Movie Maker is already installed on your system. Mr. Mankani has also kindly included a list of the top 10 free online editing software at <http://bit.ly/bICenR>, if you don't want to install any

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highly rated USB microphones that you can check out at <http://www.bluemic.com/desktop/>

They may look a little funky but it is said their sound starts to get close (for the money) to the studio. I might suggest the Blue Yeti. Google "Blue Yeti" as key words, hit the Shopping button at the top of the screen and go from there.

Almost last words... the Barnes & Nobe NOOKcolor at \$249 is the lowest price tablet disguised as an E-Book reader. You can read and browse as is. When the warranty runs out, root your NOOK and have a full Android tablet plus a well-regarded E-book reader. More details next month if I feel like it.

My personal email address is dlbilcik@yahoo.com if you want to send me comments, questions or cash. Please put "Freebies" somewhere on the subject line so I will have some idea about its contents. Tell me about your best free software experience or your our best bargain (...ever!) and I will pass it on.

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Tech Tip: How to Recover Data from a Dead Hard Drive

Bryan Lambert, Geeks.com (www.geeks.com)

One of the most dreadful feelings that you can have is having a PC computer or laptop die that hadn't been backed up recently; especially if you have valuable pictures, music, videos, documents or other files on it.

In this Tech Tip we'll take a look at how to recover your valuable pictures from a dead computer.

Where to start

Computers are complex machines and when they work right, they are fun to use – but when something goes drastically wrong, it can feel as if your world crashed down around you. If your hard drive is still in working order, there is a very good chance that you'll be able to recover your pictures, music, videos and valuable documents (and other data) simply with another computer; a specialized cable, a screwdriver; and a little time.

To start off, your best bet is to get a specialized USB cable that can plug directly into

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into a working computer. The computer will then set up the drive as an external storage device and voilà! you'll now have access to the files on that drive (provided that the drive is not encrypted or using some type of security feature).

Where to look

OK, so the drive is now plugged into your computer and seen as an external drive, now what? You have several options. **One option is to simply look for the files on the drive from the dead computer that you plugged into the USB port and copy them onto the working computer. This is my preferred method personally.** I like to "brute force" my way through the drive with Windows Explorer (or a similar file browsing tool) and manually copy/paste the data from one computer to the other. Another option is to follow a Windows dialog box (that usually pops up when you plug in an external drive) and have it help you copy your data from one computer to the other. If you

your hard drive that you'll recover from the dead computer. There are several types, and I'd recommend getting one that can handle both PATA (IDE) and SATA hard drives (the two most common used in consumer computers) as well as 2.5" (laptop) and 3.5" (desktop) hard drives (Geeks.com sells several that run in the \$13-16 range). You can also use a hard drive dock or external drive cases as well - but personally I find the specialized USB cable to be the easiest and most flexible option.

Next, remove the hard drive from the dead computer. On desktops it is usually held in with four Philips screwdrivers and on laptops it is usually under an access panel on the bottom of the computer. Remove any cables and caddies that the drive may have – all you need is the bare drive. Then plug in the USB cable into the hard drive (and a power cable if it is a desktop drive – also provided with the USB cable kit) and then plug the other end of the USB cable

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are manually choosing to "brute force" it" personal data is usually stored by default in the computers operating system's "home directory".

Common locations for home directories:

Windows 95/98/Me C:\My Documents

2000/XP/2003 C:\Documents and Settings\<username>

Vista/Windows 7 C:\Users\<username>

Other "What ifs"

What if the files on the drives are erased? If they are, you can use a free recovery program such as Piriform's Recuva to look for and (hopefully) restore the files. This simple, easy-to-use tool is terrific for recovering pictures from a camera's memory card that have accidentally been erased as well!

What if the hard drive is the reason that the computer died (actual hardware failure)? If the hard drive is the part that caused the computer failure, then you may be out of luck. Yes, there are specialty recovery services that will pull apart the drives data platters and attempt to recover data (and they are usually successful).

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Tech Tip: How to Recover Data from a Dead Hard Drive, *continued*

Such services were used, for example, to recover data from the hard drives that were used on computers from the space shuttle Columbia after it broke apart in 2003; but such services are usually very expensive.

A word to the wise

Backup, backup, backup! Whether using one of the Internet based cloud services or a separate external hard drive – if you make it a habit of backing up regularly, chances are good that you'll keep the loss of such a failure to a minimum if a computer fails. Of course one of

the benefits of using cloud-based backup services is that you can have access to your pictures anywhere you have Internet access.

Summing it up

A computer that dies can be a loss – but don't lose hope that your valuable pictures (and other stuff) are gone forever. With a little work, you can retrieve your data off the hard drives from a dead computer!

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Mac Tips

Ernie Cox, Jr., member of the Computer Club of Green Valley, AZ

Newsletter: Green Bytes (<http://ccgy.apcug.org>) **Ecoxjr (at) cox.net**

Trying to Keep Up

Apple is on the move with the iPhone, making improvements every year. The new 4S has "Siri," a program using a pleasant woman's voice, which is like having an assistant on board to help make your life a little easier. She's perfect. Well, not really, not yet, but Apple is

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All of you who have older Apple iPhones—before the 4S—and don't have a helpful phone in your pocket, don't feel bad. You are still in the game. There are programs that can be downloaded (for free) that will do similar functions as the iPhone 4S's "Siri."

"Vlingo" is a free program that works like "Siri" for finding places, making calls, and using street maps. Vlingo integrates with Safari, Google, phones and e-mails, etc.

"Dragon" is a voice/dictation program for use with your e-mails. After speaking into your phone, this program writes out the text of what you said that can then be used in e-mail, Facebook, Twitter and SMS (Short Message Service, a text-messaging service for phone, web or mobile communication systems).

These apps are good for older iPhones starting with 3G, 3GS and 4, for iPod Touch 2, 3 and 4, and iPad 1 and 2. Have fun keeping up.

Join the iCloud

Apple provides services with Find My iPhone and Find My Mac that are most useful if you ever misplace one of your iOS devices. All you need is an Apple ID, which is the same as your iTunes user name and password.

working on improving the few problems that have cropped up. Siri can find places to eat, sleep and gas-up, remember your mate's name as well as remind you to get that bread, milk or beer before going home. Added to that, Siri will write out your emails, notes and any app you can type to. All to save those fingers.

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To enable Find My iPhone on your iOS devices (including iPad, iPod Touch), navigate to Settings > iCloud, sign in with your Apple ID, and flip the switch for Find My iPhone to ON.

Turning on Find My Mac is easy, too. In Mac OS X Lion 10.7.2, to go System Preferences > iCloud, and check the box next to Find My Mac. You may get a notification about allowing location services on your Mac. If so, click Allow.

Now log in to <http://www.iCloud.com> with the same Apple ID, and click the Find My iPhone icon. A screen appears, displaying all of your devices that are linked to the service. Click the small GPS dot that appears on the map, and you'll see options for tracking down your device. "Play Sound or Send Message" will let you send a push notification to your device that will also play a high-pitched sound to alert you. Remote Lock lets you set a pass code on your device so that no one else will be able to unlock it and begin using it. And, if all else fails, you can perform a Remote Wipe to clear all the data on your devices. You can do the same with all compatible Macs.

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SIG News

LUNICS (Linux/Unix)

Andreas Meyer (lunics@acgnj.org)

<http://www.acgnj.org/groups/lunics.html>

LUNICS is a group for those who share an interest in Unix and similar operating systems. While we do quite a bit with Linux, we've also been known to discuss Solaris and BSD as well. Recent meetings have followed a Random Access format. See our web page for further information. (We meet on the first Monday of each month, at 8:00 PM). ☐

Main Meeting

Evan Williams (president@acgnj.org)

<http://www.acgnj.org/groups/mainmeet.html>

We meet on the first Friday of the month, at 8:00 PM. Each December, this meeting includes our Annual Business Meeting and Officer Elections. **No** meetings in July or August. ☐

Layman's Forum

Matt Skoda (som359@aol.com)

<http://www.acgnj.org/groups/laymans.html>

This SIG discusses issues of interest to novice users or those planning to get started in computing. Watch our Web page for updates and announcements. We meet at the same time as the Hardware Workshop. (On the second Monday of the month, at 8:00 PM). **No** meetings in July and August. ☐

Hardware Workshop

Mike Reagan (hardware@acgnj.org)

This group is dedicated to repairing, refurbishing and/or recycling older computers. Ten people attended the first meeting, so there is still a market for this type of event. Although we looked at some of the older equipment stored in the back room, most of our time was spent in talking about past experiences and planning for the future. Hopefully, we can establish a viable long-term schedule of projects, and keep the interest of those who attended this inaugural meeting. If you have a hardware problem, bring it in and we can all help fix or demolish it. (No guarantees either way.) We meet at the same time as the Layman's Forum. (On the second Monday of each month, at 8:00 PM). ☐

Java

Mike Redlich (mike@redlich.net)

<http://www.redlich.net/javasig/javasig.html>

This SIG covers beginner, intermediate, and advanced level Java programming. Primary focus is on developing useful/practical applets and applications. (We meet on the second Tuesday of each month, at 7:30 PM). ☐

Mobile Devices

Brenda Bell (mobdevsig@acgnj.org)

The Mobile Devices SIG focuses largely on current-generation cellphones and smart phones (such as Blackberry, Android, iPhone) which bridge the gap between basic cell phones and traditional computers, and how they can help you manage and organize your life. Our membership ranges from those who have recently acquired their first, basic cellphone to those who develop applications for today's modern smart phones, iPods, and ultra-portable computers. While we expect to spend much of our time investigating the built-in features and specialized applications available to modern smart phones, if you bring your basic (or multimedia) cell phone, iPod, or other mobile device with questions on how to use it, where to find applications, or what features they have, we are always happy to help! Meet and greet and plan where this event goes. Bring all your ideas, PDAs, fancy phones, etc. (We meet on the second Wednesday of alternate months (we get the even ones), at 7:30PM). ☐

WebDev

Evan Williams (webdev@acgnj.org)

This SIG is an open forum for all Website Development techniques and technologies, to encourage study and development of web sites of all kinds. All languages will be considered and examined. The current project is a CMS for the club. Anyone interested in starting a new project, come to the meeting and announce/explain. Provide as much detail as possible. WebDev should be an all-encompassing development and examination forum for all issues, applications, OS, languages and systems one can use to build Websites. We currently

SIG News, *continued*

have two web development language SIGs: .NET and Java; but other languages and OS need to be investigated, examined and tested; Windows, Linux, UNIX, DEC, Vax, HP etc. Intel-PC, Motorola - MAC etc. (We meet on the second Wednesday of alternate months (we get the odd ones), at 7:30 PM). ☐

Investment Software

Jim Cooper (jim@thecoopers.org)

http://www.acgnj.org/groups/sig_investment.html

The Investment SIG continues with presentations on how to use analysis programs TC2000 and TCNet. Large charts are presented on our pull down screen and illustrate the application of computer scans and formulas to find stocks for profitable investments. Technical analysis determines buy points, sell points and projected moves. Technical analysis can also be used on fundamentals such as earnings, sales growth, etc. We're no longer focusing on just Telechart. If you are using (or interested in) Tradestation, eSignal, VectorVest, or just in learning how to select and use charting and technical analysis, come join us!! (We meet on the second Thursday of the month, at 8 PM). ☐

NJ Gamers

Gregg McCarthy (greggmajestic@gmail.com)

<http://www.NJGamers.com>

www.lanparty.com

The Friday Night Frag starts at 6:00 PM on the second Friday of each month, and keeps going until 12 Noon on Saturday - 18 hours for 5 bucks!

BYOC - Bring your own computer.

BYOF - Bring your own food.

And if you don't like sitting on metal folding chairs...

BYO chair! ☐

Firefox

David McRitchie (firefox@acgnj.org).

This SIG is an open forum for all Firefox and Mozilla techniques and technologies, to encourage study and development of web sites of all kinds. All browsers will be considered and examined. All members and guests are invited to check out the design concepts and voice their opinion. (We meet on the third Monday of each month, at 7:30 PM). ☐

C/C++ Programming

Bruce Arnold (barnold@ieee.org)

<http://acgnj.barnold.us/index.html>

This is a forum for discussion of programming in general, beginning and intermediate level C, C++, C-Win programming, hardware, algorithms, and operating systems. We demonstrate real programming in a non-intimidating way, presenting complete code for working programs in 3-5 sheets of paper. (We meet on the third Tuesday of each month, at 7:30 PM). **No** meetings in July or August. ☐

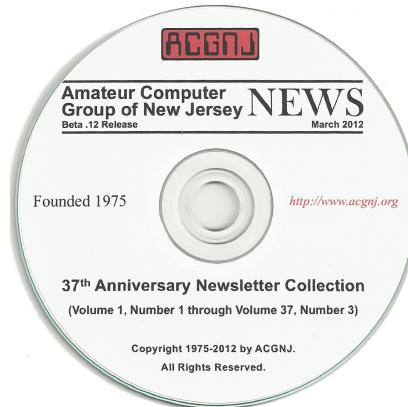
Window Pains

John Raff (jraff@comcast.net)

<http://www.acgnj.org/groups/winpains.html>

Intended to provide members with Windows oriented discussions, Microsoft and Linux style. Directed to more technological level of attendee, but newbies are welcomed. (We meet on the third Friday of the month at 8:00 PM). **No** meetings in July or August. ☐

37th Anniversary Newsletter CD Now On Sale



Beta .12 Release.

\$8.00, including postage.

(\$7.00 if you pick up a copy at a meeting).

Get yours today!

Back Issues Still Needed

Our collection remains incomplete. Below is a list of missing newsletters. Anyone who lends us one of these (or supplies a good clear copy) will receive the next CD as our thanks.

1975: #2 and #3 (dates uncertain).

1976: January.

1984: August.

1985: June, July, August, September. ☐

Guru Corner

If you need help with any of the technologies listed below, you can call on the person listed. Please be considerate and call before 10 PM.

Software		
HTML	Mike Redlich	908-246-0410
	Jo-Anne Head	908-769-7385
ColdFusion	Jo-Anne Head	908-769-7385
CSS	Frank Warren	908-756-1681
	Jo-Anne Head	908-769-7385
Java	Mike Redlich	908-246-0410
C++	Bruce Arnold	908-735-7898
	Mike Redlich	908-246-0410
ASP	Mike Redlich	908-246-0410
Perl	John Raff	973-560-9070
	Frank Warren	908-756-1681
XML	Mike Redlich	908-246-0410
Genealogy	Frank Warren	908-756-1681
Home Automation	Frank Warren	908-756-1681
Operating Systems		
Windows 3.1	Ted Martin	732-636-1942

Discount Computer Magazine Price List

As described by the DealsGuy

		1 yr	2 yr	3 yr
Computer Games		\$10.95	20.95	29.95
Computer Gaming World		14.95	28.95	41.95
Computer Shopper1		16.97	32.95	47.95
Dr. Dobbs Journal		15.95	30.95	
Mac Addict		10.97		
Mac Home Journal		15.97	29.97	
Mac World		12.95		
Maximum PC		9.95	18.95	27.95
Microsoft System Journal		21.95	39.95	
PC Gamer		12.95		
PC Magazine (22/44/66 Issues)		25.97	48.95	68.95
PC World		16.95		
Wired		6.00	12.00	17.00

These prices are for new subscriptions and renewals. All orders must be accompanied by a check, cash or Money Order. Make payable to Herb Goodman, and mail to:

Herb Goodman, 8295 Sunlake Drive, Boca Raton, FL 33496

Telephone: 561-488-4465, e-mail: hgoodman@prodigy.net

Please allow 10 to 12 weeks for your magazines to start. For renewals you must supply an address label from your present subscription to insure the correct start of your renewal. As an extra service I will mail a renewal notice about 4 months prior to their expiration date. I carry more than 300 titles at excellent prices — email for prices. ☐

ACGNJ MEMBERSHIP APPLICATION

Sign up online at www.acgnj.org/membershipApplication.html and pay dues with PayPal.

US/CANADA	Dues		STUDENT	SENIOR CITIZEN (Over 65)
	1 Year	2 Years		
1 Year	\$25			\$20
2 Years	\$40			\$20
3 Years	\$55			\$45

Mail this application and your check to:

AMATEUR COMPUTER GROUP OF NEW JERSEY, INC., P.O. BOX 135, SCOTCH PLAINS, NJ 07076

New Member Renewal Address Change

First Name _____ Last Name _____ Phone _____

Mailing Address _____ E-Mail _____

City _____ State _____ Zip _____ URL _____

What topics would you like to see covered at club meetings? _____

Other Local Computer Groups		
Princeton Macintosh User Group: 7:15 pm 2nd Tuesday, Jadwin Hall, A-10, Washington Rd, Princeton, (609) 252-1163, www.pmuug-nj.org	Linux Users Group in Princeton: 7 pm, 2nd Wednesday, Lawrence Branch Mercer Library, Rt#1 & Darrah Lane, Lawrence NJ http://www.lugip.org	New York PC: 3rd Thurs, 7 pm, PS 41, 116 W 11th St. For info call hotline, (212) 533-NYPC, http://www.nypc.org
Computer Education Society of Philadelphia: Meetings & Workshops at Jem Electronics, 6622 Castor Ave, Philadelphia PA. www.cesop.org/	Brookdale Computer Users Group: 7 pm, 3rd Friday, Brookdale Community College, Bldg MAS Rm 100, Lincroft NJ. (732)-739-9633. www.bcuug.com	NJ Macintosh User Group: 8 pm, 3rd Tuesday, Allwood Branch Library, Lyall Rd, Clifton NJ. (201) 893-5274 http://www.njmug.org .
PC User Group of So. Jersey: 2nd Mon., 7 pm, Trinity Presb. Church, 499 Rt 70 E, Cherry Hill, NJ. L. Horn, (856) 983-5360	Hunterdon Computer Club: 8:30 am, 3rd Sat, Hunterdon Medical Center, Rt 31, Flemington NJ. www.hunterdoncomputerclub.org , (908) 995-4042.	NY Amateur Computer Group: 2nd Thurs, 7 pm, Rm 806 Silver Bldg, NYU, 32 Waverly Pl, NYC. http://www.nyacc.org
Morris Micro Computer Club: 7 pm 2nd Thurs., Morris County Library, Hanover Ave, Morristown NJ, (973) 267-0871. http://www.morrismicro.com	Central Jersey Computer Club: 8 pm, 4th Friday, Rm 74, Armstrong Hall, College of NJ. Rich Williams, (609) 466-0909.	NJ PC User Group: 2nd Thurs, Monroe Rm at Wyckoff Public Library, 7 pm. Maureen Shannon, (201) 853-7432, www.njpcug.org
Philadelphia Area Computer Society: 3rd Sat, 12 noon Main Meeting, groups 8 am-3 pm. Upper Moreland Middle School, Hatboro PA. (215) 764-6338. www.pacsnet.org	NJ Computer Club: 6:15 pm, 2nd Wednesday except Jul & Aug, North Branch Reformed Church, 203 Rt 28, Bridgewater NJ. http://www.njcc.org	Princeton PC Users Group: 2nd Monday, Lawrenceville Library, Alt Rt 1 & Darrah Lane, Lawrenceville, Paul Kurivchack (908) 218-0778, http://www.ppcug-nj.org

Classified

FREE TO MEMBERS. Use our classified ads to sell off your surplus computer stuff. Send copy to Classified, ACGNJ NEWS, P.O. Box 135, Scotch Plains NJ 07076 or e-mail to the editor, bdgroot@ptd.net. Classified ads are free to members, one per issue. Non-members pay \$10. Send check payable to ACGNJ Inc. with copy. Reasonable length, please.

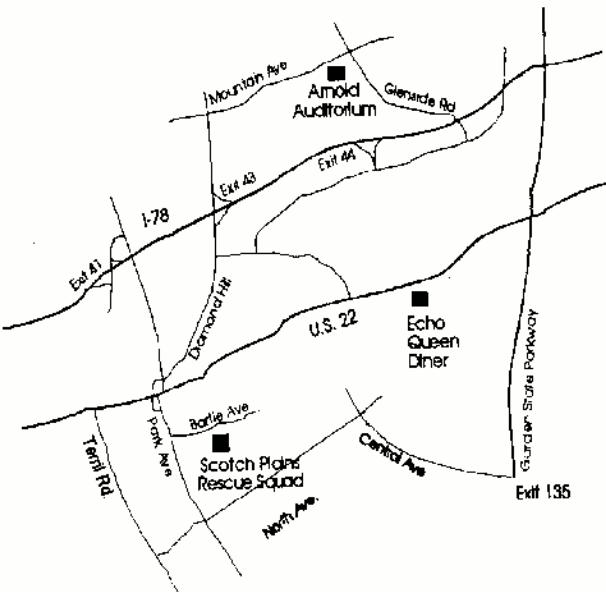
Radio and TV Programs

Computer Radio Show, WBAI
99.5 FM, NY, Wed. 8-9 p.m.

Software Review, The Learning Channel, Saturday 10-10:30 p.m.

On Computers, WCTC 1450 AM, New Brunswick, Sunday 1-4 p.m. To ask questions call (800) 677-0874.

PC Talk, Sunday from 8 p.m. to 10 p.m., 1210 AM Philadelphia. 1-800-876-WPEN



Directions to Meetings at Scotch Plains Rescue Squad, 1916 Bartle Ave., Scotch Plains NJ

From New York City or Northern New Jersey

Take Route 1&9 or the Garden State Parkway to US 22 Westbound.

From Southern New Jersey

Take Parkway north to Exit 135 (Clark). Stay on left of ramp, follow circle under Parkway. Bear right to Central Avenue; follow to Westfield and under RR overpass. Left at light to North Avenue; follow to light in Fanwood. Right on Martine (which becomes Park Ave). Right on Bartle Ave in middle of shopping district. Scotch Plains Rescue Squad (2-story brick) is located on the right. Do not park in the row next to the building — you'll be towed.

From I-78 (either direction)

Take exit 41 (Scotch Plains); follow signs to US 22. Turn right at light at bottom of hill and use overpass to cross Rt. 22. Follow US 22 Westbound directions.

From US 22 Westbound

Exit at Park Avenue, Scotch Plains after McDonalds on the right, diagonally opposite Scotchwood Diner on the left, immediately before the overpass. After exiting, turn left at the light and use overpass to cross US 22. Bear right at bottom of ramp to continue south on Park Avenue. Turn left at the second light (a staggered intersection). Scotch Plains Rescue Squad (2-story brick) is on the right. Do not park in the row next to the building — you'll be towed. We meet on the second floor, entering by the door at the right front of the building.

From Western New Jersey

Take US 22 Eastbound to the Park Avenue exit. The exit is about a mile past Terrill Road and immediately past the overpass. Exit onto Park Avenue South and follow the directions above to the Rescue Squad building. ☐